

AN - 1993-096724 [12]

AP - [Div ex] JP19900137556 19900528; JP19910352543 19900528

CPY - EART

DC - C03 D22 E19 F06

DR - 0401-U 0427-U 0477-U 0507-U 0557-U 0578-U 0600-U 0603-U 0669-U 0714-U
0715-U 0779-U 0789-U 0991-U 1119-U 1124-U 1642-U

FS - CPI

IC - A01N25/18 ; A01N31/16 ; A01N35/02 ; A01N37/06 ; A01N37/10 ; A01N37/40

MC - C04-A07C C06-A02 C06-A03 C07-A03 C10-D01 C10-E02 C10-E04 C10-F02
C10-G02 C10-H02E C10-J02 C12-B04 D09-A01C E06-A02D E10-D01D E10-E04M1
E10-E04M2 E10-F02A1 E10-G02 F03-C02B F05-A06B F05-A06D

M2 - [01] G010 G011 G013 G031 G035 G038 G039 G100 G562 G610 H541 H603 H683
H721 J4 J431 J451 J471 M210 M211 M213 M232 M240 M272 M280 M281 M282
M312 M320 M321 M332 M343 M349 M352 M391 M414 M415 M431 M510 M520 M530
M531 M540 M541 M782 M903 M904 P001 P331 Q261 Q322 Q324; 00832;
R04501-M R15821-M R19989-M R21259-M R22622-M

- [02] G010 G100 J4 J431 M280 M320 M414 M431 M510 M520 M531 M540 M782
M903 M904 M910 P001 P331 Q261 Q322 Q324; R00715-M

- [03] H7 H721 J4 J471 M220 M223 M232 M262 M281 M320 M416 M431 M782 M903
M904 M910 P001 P331 Q261 Q322 Q324; R00779-M

- [04] G011 G100 H4 H401 H441 H8 J0 J011 J2 J231 M210 M211 M272 M281
M320 M414 M431 M510 M520 M531 M540 M782 M903 M904 M910 P001 P331 Q261
Q322 Q324; R00991-M

- [05] G010 G011 G100 H401 H441 J0 J011 J2 J231 J271 M121 M136 M210 M211
M212 M214 M231 M262 M272 M280 M281 M311 M312 M320 M321 M332 M342 M373
M391 M414 M431 M510 M520 M531 M532 M540 M782 M903 M904 P001 P331 Q261
Q322 Q324; R05303-M R17134-M R23642-M R23646-M R23647-M

- [06] G010 G100 J0 J011 J2 J231 M210 M211 M272 M281 M320 M414 M431 M510
M520 M531 M540 M782 M903 M904 M910 P001 P331 Q261 Q322 Q324; R00600-M

- [07] G010 G100 J0 J011 J2 J231 M210 M212 M272 M281 M320 M414 M431 M510
M520 M531 M540 M782 M903 M904 M910 P001 P331 Q261 Q322 Q324; R00603-M

- [08] G010 G100 H4 H401 H481 H8 M280 M311 M321 M342 M373 M391 M414 M431
M510 M520 M531 M540 M782 M903 M904 M910 P001 P331 Q261 Q322 Q324;
R00714-M

- [09] H4 H401 H481 H7 H722 H8 M220 M224 M232 M233 M272 M281 M320 M416
M431 M782 M903 M904 M910 P001 P331 Q261 Q322 Q324; R00427-M

- [10] G035 G562 H7 H721 M210 M211 M213 M232 M240 M282 M320 M415 M431
M510 M520 M530 M541 M610 M782 M903 M904 M910 P001 P331 Q261 Q322 Q324;
R01119-M

- [11] G031 G035 G038 G039 G562 G610 H720 M210 M211 M213 M232 M240 M282
M311 M320 M321 M341 M415 M431 M510 M520 M530 M541 M610 M782 M903 M904
P001 P331 Q261 Q322 Q324; 00832; R03562-M R14058-M

- [12] G036 G563 H4 H401 H461 H8 M210 M211 M213 M232 M240 M282 M320 M415
M431 M510 M520 M530 M541 M782 M903 M904 M910 P001 P331 Q261 Q322 Q324;
R00557-M

- [13] G031 G034 G036 G038 G562 G563 G610 H720 H721 J5 J561 M210 M211
M213 M232 M240 M281 M282 M283 M313 M320 M321 M331 M341 M415 M431 M510
M520 M530 M541 M782 M903 M904 P001 P331 Q261 Q322 Q324; 00832;
R06707-M R07891-M R08312-M R08313-M R10216-M R11922-M R18251-M

- [14] G036 G563 J0 J011 J2 J261 M210 M211 M213 M232 M240 M262 M281 M282
M320 M415 M431 M510 M520 M530 M541 M782 M903 M904 P001 P331 Q261 Q322

Q324; R08311-M

- [15] G035 G562 H4 H401 H481 H8 M210 M211 M240 M281 M313 M321 M331 M340 M342 M373 M391 M415 M431 M510 M520 M530 M541 M782 M903 M904 M910 P001 P331 Q261 Q322 Q324; R00669-M
- [16] G031 G033 G038 G610 H4 H401 H461 H7 H720 H8 M210 M211 M240 M282 M311 M321 M341 M415 M431 M510 M520 M530 M541 M782 M903 M904 P001 P331 Q261 Q322 Q324; 00832; R10165-M
- [17] D021 D026 D030 D220 M210 M211 M240 M283 M320 M412 M431 M511 M520 M530 M540 M782 M903 M904 P001 P331 Q261 Q322 Q324; 02038; R07671-M
- [18] F012 F100 H4 H401 H481 H7 H721 H8 M280 M315 M321 M333 M340 M342 M373 M391 M413 M431 M510 M521 M530 M540 M782 M903 M904 P001 P331 Q261 Q322 Q324; 00012; R19991-M
- [19] G015 G017 G100 H4 H401 H441 H541 H602 H641 H721 H8 M210 M211 M213 M231 M240 M272 M281 M282 M320 M414 M431 M510 M520 M531 M540 M782 M903 M904 P001 P331 Q261 Q322 Q324; R04970-M R23510-M
- [20] G031 G034 G038 G060 G623 J5 J561 M210 M211 M240 M283 M320 M415 M431 M510 M520 M530 M541 M782 M903 M904 M910 P001 P331 Q261 Q322 Q324; R00401-M
- [22] G000 G221 M280 M320 M414 M431 M510 M520 M531 M540 M610 M782 M903 M904 M910 P001 P331 Q261 Q322 Q324; R00578-M
- [23] G031 G038 G039 G610 M210 M211 M240 M283 M320 M415 M431 M510 M520 M530 M541 M610 M782 M903 M904 M910 P001 P331 Q261 Q322 Q324; 00832; R00477-M
- [24] G011 G100 J0 J012 J2 J232 M210 M212 M272 M282 M320 M414 M431 M510 M520 M531 M540 M782 M903 M904 M910 P001 P331 Q261 Q322 Q324; R00507-M
- [25] G010 G100 J0 J011 J2 J271 M210 M211 M262 M281 M311 M321 M342 M373 M391 M414 M431 M510 M520 M531 M540 M782 M903 M904 M910 P001 P331 Q261 Q322 Q324; R01124-M
- [26] H7 H722 J0 J011 J2 J271 M210 M211 M220 M224 M232 M262 M272 M281 M320 M416 M431 M782 M903 M904 P001 P331 Q261 Q322 Q324; R08117-M
- [27] H7 H722 J4 J471 M220 M223 M232 M262 M281 M320 M416 M431 M782 M903 M904 M910 P001 P331 Q261 Q322 Q324; R01642-M
- [28] D022 D140 H7 H721 M210 M213 M231 M240 M281 M320 M412 M431 M511 M520 M530 M540 M782 M903 M904 P001 P331 Q261 Q322 Q324; R13937-M

M3 - [01] G010 G011 G013 G031 G035 G038 G039 G100 G562 G610 H541 H603 H683 H721 J4 J431 J451 J471 M210 M211 M213 M232 M240 M272 M280 M281 M282 M312 M320 M321 M332 M343 M349 M352 M391 M414 M415 M431 M510 M520 M530 M531 M540 M541 M782 M903 M904 P001 P331 Q261 Q322 Q324; 00832; R04501-M R15821-M R19989-M R21259-M R22622-M

- [02] G010 G100 J4 J431 M280 M320 M414 M431 M510 M520 M531 M540 M782 M903 M904 M910 P001 P331 Q261 Q322 Q324; R00715-M
- [03] H7 H721 J4 J471 M220 M223 M232 M262 M281 M320 M416 M431 M782 M903 M904 M910 P001 P331 Q261 Q322 Q324; R00779-M
- [04] G011 G100 H4 H401 H441 H8 J0 J011 J2 J231 M210 M211 M272 M281 M320 M414 M431 M510 M520 M531 M540 M782 M903 M904 M910 P001 P331 Q261 Q322 Q324; R00991-M
- [05] G010 G011 G100 H401 H441 J0 J011 J2 J231 J271 M121 M136 M210 M211 M212 M214 M231 M262 M272 M280 M281 M311 M312 M320 M321 M332 M342 M373 M391 M414 M431 M510 M520 M531 M532 M540 M782 M903 M904 P001 P331 Q261 Q322 Q324; R05303-M R17134-M R23642-M R23646-M R23647-M
- [06] G010 G100 J0 J011 J2 J231 M210 M211 M272 M281 M320 M414 M431 M510 M520 M531 M540 M782 M903 M904 M910 P001 P331 Q261 Q322 Q324; R00600-M

- [07] G010 G100 J0 J011 J2 J231 M210 M212 M272 M281 M320 M414 M431 M510 M520 M531 M540 M782 M903 M904 M910 P001 P331 Q261 Q322 Q324; R00603-M
- [08] G010 G100 H4 H401 H481 H8 M280 M311 M321 M342 M373 M391 M414 M431 M510 M520 M531 M540 M782 M903 M904 M910 P001 P331 Q261 Q322 Q324; R00714-M
- [09] H4 H401 H481 H7 H722 H8 M220 M224 M232 M233 M272 M281 M320 M416 M431 M782 M903 M904 M910 P001 P331 Q261 Q322 Q324; R00427-M
- [10] G035 G562 H7 H721 M210 M211 M213 M232 M240 M282 M320 M415 M431 M510 M520 M530 M541 M610 M782 M903 M904 M910 P001 P331 Q261 Q322 Q324; R01119-M
- [11] G031 G035 G038 G039 G562 G610 H720 M210 M211 M213 M232 M240 M282 M311 M320 M321 M341 M415 M431 M510 M520 M530 M541 M610 M782 M903 M904 P001 P331 Q261 Q322 Q324; 00832; R03562-M R14058-M
- [12] G036 G563 H4 H401 H461 H8 M210 M211 M213 M232 M240 M282 M320 M415 M431 M510 M520 M530 M541 M782 M903 M904 M910 P001 P331 Q261 Q322 Q324; R00557-M
- [13] G031 G034 G036 G038 G562 G563 G610 H720 H721 J5 J561 M210 M211 M213 M232 M240 M281 M282 M283 M313 M320 M321 M331 M341 M415 M431 M510 M520 M530 M541 M782 M903 M904 P001 P331 Q261 Q322 Q324; 00832; R06707-M R07891-M R08312-M R08313-M R10216-M R11922-M R18251-M
- [14] G036 G563 J0 J011 J2 J261 M210 M211 M213 M232 M240 M262 M281 M282 M320 M415 M431 M510 M520 M530 M541 M782 M903 M904 P001 P331 Q261 Q322 Q324; R08311-M
- [15] G035 G562 H4 H401 H481 H8 M210 M211 M240 M281 M313 M321 M331 M340 M342 M373 M391 M415 M431 M510 M520 M530 M541 M782 M903 M904 M910 P001 P331 Q261 Q322 Q324; R00669-M
- [16] G031 G033 G038 G610 H4 H401 H461 H7 H720 H8 M210 M211 M240 M282 M311 M321 M341 M415 M431 M510 M520 M530 M541 M782 M903 M904 P001 P331 Q261 Q322 Q324; 00832; R10165-M
- [17] D021 D026 D030 D220 M210 M211 M240 M283 M320 M412 M431 M511 M520 M530 M540 M782 M903 M904 P001 P331 Q261 Q322 Q324; 02038; R07671-M
- [18] F012 F100 H4 H401 H481 H7 H721 H8 M280 M315 M321 M333 M340 M342 M373 M391 M413 M431 M510 M521 M530 M540 M782 M903 M904 P001 P331 Q261 Q322 Q324; 00012; R19991-M
- [19] G015 G017 G100 H4 H401 H441 H541 H602 H641 H721 H8 M210 M211 M213 M231 M240 M272 M281 M282 M320 M414 M431 M510 M520 M531 M540 M782 M903 M904 P001 P331 Q261 Q322 Q324; R04970-M R23510-M
- [20] G031 G034 G038 G060 G623 J5 J561 M210 M211 M240 M283 M320 M415 M431 M510 M520 M530 M541 M782 M903 M904 M910 P001 P331 Q261 Q322 Q324; R00401-M
- [21] G013 G100 H6 H602 H608 H642 M280 M320 M414 M431 M510 M520 M531 M540 M782 M903 M904 M910 P001 P331 Q261 Q322 Q324; R00789-M
- [22] G000 G221 M280 M320 M414 M431 M510 M520 M531 M540 M610 M782 M903 M904 M910 P001 P331 Q261 Q322 Q324; R00578-M
- [23] G031 G038 G039 G610 M210 M211 M240 M283 M320 M415 M431 M510 M520 M530 M541 M610 M782 M903 M904 M910 P001 P331 Q261 Q322 Q324; 00832; R00477-M
- [24] G011 G100 J0 J012 J2 J232 M210 M212 M272 M282 M320 M414 M431 M510 M520 M531 M540 M782 M903 M904 M910 P001 P331 Q261 Q322 Q324; R00507-M
- [25] G010 G100 J0 J011 J2 J271 M210 M211 M262 M281 M311 M321 M342 M373 M391 M414 M431 M510 M520 M531 M540 M782 M903 M904 M910 P001 P331 Q261 Q322 Q324; R01124-M

- [26] H7 H722 J0 J011 J2 J271 M210 M211 M220 M224 M232 M262 M272 M281
M320 M416 M431 M782 M903 M904 P001 P331 Q261 Q322 Q324; R08117-M
- [27] H7 H722 J4 J471 M220 M223 M232 M262 M281 M320 M416 M431 M782 M903
M904 M910 P001 P331 Q261 Q322 Q324; R01642-M
- [28] D022 D140 H7 H721 M210 M213 M231 M240 M281 M320 M412 M431 M511
M520 M530 M540 M782 M903 M904 P001 P331 Q261 Q322 Q324; R13937-M

PA - (EART) EARTH SEIYAKU KK

PN - JP5039203 A 19930219 DW199312 A01N37/40 008pp

PR - JP19900137556 19900528; JP19910352543 19900528

XA - C1993-042809

XIC - A01N-025/18 ; A01N-031/16 ; A01N-035/02 ; A01N-037/06 ; A01N-037/10 ;

A01N-037/40

XR - 1992-085840

AB - J05039203 Compsns. contain at least 1 of o-anisaldehyde, benzaldehyde, citronellal, cuminaldehyde, perillaldehyde, methyl, ethyl, propyl, butyl or phenyl salicylate, methyl or ethyl benzoate, benzylalcohol, 4-methylbenzyl alcohol, cineole, linalol, d-limonene, alpha-pyrandrene, beta-pinene, 1-menthol, d- or l-carvone, menthone, menthyl acetate, 1-ethynyl-2-methyl-2-pentyl (1R)-cis,trans crysanthenate, alpha-terpineol, mentadiene, menthene, pinocarveol, pinocarvone, piperitone, piperitenone, myrtenal, pulegone, verbenone, dihydrocarvone, alpha-pinene oxide, linalool oxide, p-chloro-m-xlenol, alpha-bromocinnamaldehyde, camphor, p-dichlorobenzene, naphthalene, alpha-pinene, diethyl phthalate, benzyl propionate, isoeugenol, benzyl acetate, ethyl invanerate, geranyl acetate, citral, isosarfol, beta-phenethyl acetate, partic. methyl or butyl salicylate, citronellal, benzyl acetate or propionate, isoeugenol, ethyl invanerate (sic), geranyl acetate, citral, isosarfol (sic) and beta-phenethyl acetate.

- USE/ADVANTAGE - The safe miticidal compsns. have no residual toxicity.

The cpds. are applied to pillows, mats, mattresses, blankets, bedspreads, towels, bonded fibre fabrics and sheets of paper together with suitable carriers at concns. of 0.01-1,000 (0.1-100) ppm.

- In an example, the cpds. exhibited 100% lethal rate against 100-200 mites when used in an amt. of 10 mg in a petri dish (inner vol. of 380 cm3). The lethal rate of o-anisaldehyde, benzaldehyde, cuminaldehyde, perillaldehyde ethyl salicylate, and d- or l-carvone against mites was one micro-g in 48 hr(Dwg.0/0)

CN - R00401-M R00427-M R00477-M R00507-M R00557-M R00578-M R00600-M
R00603-M R00669-M R00714-M R00715-M R00779-M R00789-M R00991-M
R01119-M R01124-M R01642-M R03562-M R04501-M R04970-M R05303-M
R06707-M R07671-M R07891-M R08117-M R08311-M R08312-M R08313-M
R10165-M R10216-M R11922-M R13937-M R14058-M R15821-M R17134-M
R18251-M R19989-M R19991-M R21259-M R22622-M R23510-M R23642-M
R23646-M R23647-M

IW - SAFE MITE COMPOSITION NO RESIDUE TOXIC CONTAIN ANISALDEHYDE
BENZALDEHYDE BENZYL ALCOHOL CINEOLE MENTHONE LINALOOL OXIDE CITRAL
BETA PHENYLETHYL ACETATE

IKW - SAFE MITE COMPOSITION NO RESIDUE TOXIC CONTAIN ANISALDEHYDE
BENZALDEHYDE BENZYL ALCOHOL CINEOLE MENTHONE LINALOOL OXIDE CITRAL
BETA PHENYLETHYL ACETATE

NC - 001

OPD - 1990-05-28

ORD - 1993-02-19

PAW - (EART) EARTH SEIYAKU KK

RRL - 00012 00832 02038

TI - Safe miticidal compsns. having no residual toxicity - contain e.g.

anisaldehyde, benzaldehyde, benzyl alcohol, cineole, menthone,
linalool oxide, citral and/or beta phenethyl acetate